

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**FORM S-8  
REGISTRATION STATEMENT**

*Under  
THE SECURITIES ACT OF 1933*

**TOCAGEN INC.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)  
**3030 Bunker Hill Street, Suite 230**  
**San Diego, California**  
(Address of Principal Executive Offices)

**26-1243872**  
(I.R.S. Employer  
Identification No.)

**92109**  
(Zip Code)

**2017 Equity Incentive Plan  
2017 Employee Stock Purchase Plan**  
(Full titles of the plans)

**Martin J. Duvall**  
**Chief Executive Officer**  
**Tocagen Inc.**

**3030 Bunker Hill Street, Suite 230**  
**San Diego, California 92109**

**(858) 412-8400**

(Name, address, and telephone number, including area code, of agent for service)

*Copies to:*

**Karen E. Deschaine, Esq.**  
**Wade W. Andrews, Esq.**  
**Cooley LLP**  
**4401 Eastgate Mall**  
**San Diego, California 92121**  
**Tel: (858) 550-6000**

**Mark Foletta**  
**Executive Vice President and Chief Financial Officer**  
**Tocagen Inc.**  
**3030 Bunker Hill Street, Suite 230**  
**San Diego, California 92109**  
**(858) 412-8400**

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer  Accelerated filer   
Non-accelerated filer  (Do not check if a smaller reporting company) Smaller reporting company   
Emerging growth company

If an emerging growth company, indicate by check mark if the Registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

## CALCULATION OF REGISTRATION FEE

| Title of Securities to be Registered      | Amount to be Registered (1) | Proposed Maximum Offering Price Per Share (2) | Proposed Maximum Aggregate Offering Price (2) | Amount of Registration Fee |
|---|-----------------------------|---|---|----------------------------|
| <b>2017 Equity Incentive Plan</b>         |                             |   |   |                            |
| Common Stock, \$0.001 par value per share | 795,302 (3)                 | \$12.70                                       | \$10,100,335.40                               | \$1,257.50                 |
| <b>2017 Employee Stock Purchase Plan</b>  |                             |   |   |                            |
| Common Stock, \$0.001 par value per share | 198,826 (4)                 | \$12.70                                       | \$2,525,090.20                                | \$314.38                   |
| <b>Total</b>                              | <b>994,128</b>              |   | <b>\$12,625,425.60</b>                        | <b>\$1,571.88</b>          |

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement shall also cover any additional shares of the Registrant’s Common Stock (“Common Stock”) that become issuable under the plans by reason of any stock dividend, stock split, recapitalization or other similar transaction.
- (2) This estimate is made pursuant to Rule 457(h)(1) and Rule 457(c) of the Securities Act solely for purposes of calculating the registration fee. The price per share and aggregate offering price are based upon the average of the high and low prices of the Common Stock on March 7, 2018, as reported on the NASDAQ Global Select Market.
- (3) Represents shares of Common Stock that were automatically added to the shares authorized for issuance under the Tocagen Inc. 2017 Equity Incentive Plan (the “2017 Plan”), on January 1, 2018 pursuant to an “evergreen” provision contained in the 2017 Plan. Pursuant to such provision, on January 1 of each year through January 1, 2027, the number of shares authorized for issuance under the 2017 Plan is automatically increased by: (a) a number equal to 4% of the total number of shares of the Registrant’s capital stock outstanding on December 31 of the preceding calendar year; or (b) a number of shares of Common Stock that may be determined by the Registrant’s Board of Directors that is less than the preceding clause (a).
- (4) Represents shares of Common Stock that were automatically added to the shares authorized for issuance under the Tocagen Inc. 2017 Employee Stock Purchase Plan (the “2017 ESPP”), on January 1, 2018 pursuant to an “evergreen” provision contained in the 2017 ESPP. Pursuant to such provision, on January 1 of each year through January 1, 2027, the number of shares authorized for issuance under the 2017 ESPP is automatically increased by a number equal to the lesser of: (a) 1% of the total number of shares of the Registrant’s capital stock outstanding on December 31 of the preceding calendar year; (b) 300,000 shares; or (c) a number of shares of Common Stock that may be determined by the Registrant’s Board of Directors that is less than (a) and (b) .

## INCORPORATION OF DOCUMENTS BY REFERENCE

This Registration Statement is being filed for the purpose of increasing the number of securities of the same class as other securities for which a Registration Statement of the Registrant on Form S-8 relating to the same employee benefit plan is effective.

The Registrant previously registered shares of its Common Stock for issuance under the 2017 Plan and 2017 ESPP under a Registration Statement on Form S-8 filed with the Securities and Exchange Commission (the "Commission") on April 13, 2017 (File No. 333-217300). Pursuant to General Instruction E to Form S-8, this Registration Statement hereby incorporates by reference the contents of the Registration Statement referenced above.

### Item 8. Exhibits.

| <b>Exhibit<br/>Number</b> | <b>Description</b>   |
|---------------------------|--|
| 4.1                       | <a href="#"><u>Amended and Restated Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed on April 19, 2017).</u></a>  |
| 4.2                       | <a href="#"><u>Amended and Restated Bylaws of the Registrant (incorporated by reference to Exhibit 3.2 of the Registrant's Current Report on Form 8-K filed on April 19, 2017).</u></a>  |
| 4.3                       | <a href="#"><u>Form of Common Stock Certificate of the Registrant (incorporated by reference to Exhibit 4.1 of the Registrant's Registration Statement on Form S-1 (File No. 333-216574), as amended, originally filed on March 9, 2017).</u></a>  |
| 5.1                       | <a href="#"><u>Opinion of Cooley LLP.</u></a>  |
| 23.1                      | <a href="#"><u>Consent of Independent Registered Public Accounting Firm.</u></a>   |
| 23.2                      | <a href="#"><u>Consent of Cooley LLP. Reference is made to Exhibit 5.1.</u></a>  |
| 24.1                      | <a href="#"><u>Power of Attorney. Reference is made to the signature page hereto.</u></a>  |
| 99.1                      | <a href="#"><u>Tocagen Inc. 2017 Equity Incentive Plan and Forms of Stock Option Grant Notice, Option Agreement and Notice of Exercise thereunder (incorporated by reference to Exhibit 10.3 of the Registrant's Registration Statement on Form S-1 (File No. 333-216574), as amended, originally filed on March 9, 2017).</u></a> |
| 99.2                      | <a href="#"><u>2017 Employee Stock Purchase Plan (incorporated by reference to Exhibit 10.4 of the Registrant's Registration Statement on Form S-1 (File No. 333-216574), as amended, originally filed on March 9, 2017).</u></a>  |

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## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of San Diego, State of California, on March 9, 2018.

**TOCAGEN INC.**

By: /s/ Martin J. Duvall  
Martin J. Duvall  
**Chief Executive Officer**

## POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Martin J. Duvall and Mark Foletta, and each of them, as his or her true and lawful attorneys-in-fact and agents, each with the full power of substitution, for him or her and in his or her name, place or stead, in any and all capacities, to sign any and all amendments to this Registration Statement (including post-effective amendments), and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or their or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

| <u>Signature</u>   | <u>Title</u>  | <u>Date</u>   |
|--|---|---------------|
| <u>/s/ Martin J. Duvall</u><br><b>Martin J. Duvall</b>           | Chief Executive Officer and<br>Member of the Board of Directors<br><i>(Principal Executive Officer)</i> | March 9, 2018 |
| <u>/s/ Mark Foletta</u><br><b>Mark Foletta</b>                   | Chief Financial Officer<br><i>(Principal Financial and Accounting Officer)</i>                          | March 9, 2018 |
| <u>/s/ Faheem Hasnain</u><br><b>Faheem Hasnain</b>               | Chairman of the Board of Directors  | March 9, 2018 |
| <u>/s/ Franklin M. Berger</u><br><b>Franklin M. Berger</b>       | Member of the Board of Directors  | March 9, 2018 |
| <u>/s/ Thomas E. Darcy</u><br><b>Thomas E. Darcy</b>             | Member of the Board of Directors  | March 9, 2018 |
| <u>/s/ Harry E. Gruber, M.D.</u><br><b>Harry E. Gruber, M.D.</b> | Member of the Board of Directors  | March 9, 2018 |
| <u>/s/ Lori Kunkel, M.D.</u><br><b>Lori Kunkel, M.D.</b>         | Member of the Board of Directors  | March 9, 2018 |
| <u>/s/ David Parkinson, M.D.</u><br><b>David Parkinson, M.D.</b> | Member of the Board of Directors  | March 9, 2018 |
| <u>/s/ Paul Schimmel, Ph.D.</u><br><b>Paul Schimmel, Ph.D.</b>   | Member of the Board of Directors  | March 9, 2018 |



Karen Deschaine Anderson  
+1 858 550 6088  
kanderson@cooley.com

March 9, 2018

Tocagen Inc.  
3030 Bunker Hill Street, Suite 230  
San Diego, CA 92109

Ladies and Gentlemen:

We have acted as counsel to Tocagen Inc., a Delaware corporation (the “**Company**”), and you have requested our opinion in connection with the filing by the Company of a registration statement on Form S-8 (the “**Registration Statement**”) with the Securities and Exchange Commission, covering the offering of up to an aggregate of 994,128 shares of the Company’s Common Stock, \$0.001 par value, including (i) 795,302 shares (the “**2017 Plan Shares**”) reserved for issuance pursuant to the Company’s 2017 Equity Incentive Plan (the “**2017 Plan**”), and (ii) 198,826 shares (the “**ESPP Shares**”) reserved for issuance pursuant to the Company’s 2017 Employee Stock Purchase Plan (the “**2017 ESPP**”).

In connection with this opinion, we have examined and relied upon the Registration Statement and the related prospectuses included therein, the Company’s Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws, as currently in effect, the 2017 Plan and the 2017 ESPP and the originals or copies certified to our satisfaction of such other records, documents, certificates, memoranda and other instruments as we deem necessary or appropriate to enable us to render the opinion expressed below. We have assumed the genuineness and authenticity of all documents submitted to us as originals and the conformity to originals of all documents submitted to us as copies thereof .

Our opinion is expressed only with respect to the General Corporation Law of the State of Delaware.

On the basis of the foregoing, and in reliance thereon, we are of the opinion that the 2017 Plan Shares, when sold and issued in accordance with the 2017 Plan and applicable stock option agreement, and the ESPP Shares, when sold and issued in accordance with the 2017 ESPP, and in each case when sold and issued in accordance with the Registration Statement and related prospectuses, will be validly issued, fully paid, and nonassessable (except as to shares issued pursuant to certain deferred payment arrangements, which will be fully paid and nonassessable when such deferred payments are made in full).



Tocagen  
March 9, 2018  
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We consent to the filing of this opinion as an exhibit to the Registration Statement.

Sincerely,

Cooley LLP

By: /s/ Karen Deschaine Anderson  
Karen Deschaine Anderson

Cooley LLP 4401 Eastgate Mall San Diego, CA 92121  
t: (858) 550-6000 f: (858) 550-6420 cooley.com

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the 2017 Equity Incentive Plan and the 2017 Employee Stock Purchase Plan of Tocagen Inc. of our report dated March 9, 2018, with respect to the financial statements of Tocagen Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2017, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

San Diego, California  
March 9, 2018